

HOLDER FOR GREASE GUN

FIELD OF THE INVENTION

The present invention relates to a grease gun holder and a method of storing a grease gun using the holder which can be supported on an upright supporting surface, for example a wall.

BACKGROUND

The use of grease guns are well known for storing and dispensing grease used for lubricating various machinery and the like. Grease guns typically have a tubular body with a plunger supported therein to urge the grease outwardly through a nozzle at the free end of a dispensing tube in communication with the tubular body. A lever mechanism typically provides actuation of the plunger. These grease guns are known to leak and can be particularly messy when stored on shelves or in drawers and the like with other tools. Even when supported on a hook on a wall for example, the grease is known to leak and drip causing further mess. Furthermore the nozzle when permitted to hang freely can further cause grease to be undesirably spread due to contact with surrounding objects.

SUMMARY

According to one aspect of the present invention there is provided a holder for a grease gun having a generally tubular body, the holder comprising:

- a wall mount for securement to an upright supporting surface; and
- a clip device mounted on the wall mount for securably receiving the tubular body of the grease gun therein.

According to a second aspect of the present invention there is provided a method of storing a grease gun having a generally tubular body, the method comprising:

- providing a holder having a clip device for securably receiving the

tubular body of the grease gun therein;

mounting the clip device on an upright supporting surface; and
supporting the tubular body of the grease gun in the clip device.

The use of a holder as described herein permits a grease gun to be
5 readily secured to a wall in which a clip is provided specifically for securably
receiving the tubular body of a grease gun therein. Additional features of a tray or a
nozzle holder can prevent further mess. The clip device by itself provides some
advantage as the grease gun can be suitably oriented to minimize leakage.

There may be provided a tray supported on the wall mount below the
10 clip device which includes side walls to form a receptacle suitable for containing a
liquid therein. When a nozzle holder is supported on the wall mount for securing a
nozzle of the grease gun therein, the clip device is preferably spaced outwardly from
the wall mount with the nozzle holder being located directly adjacent the wall mount
for locating the nozzle between the grease gun and the wall in the mounted position.

15 The tray is preferably supported on the wall mount below both the
nozzle holder and the clip device in respective vertical alignment with each.

The nozzle holder may comprise a cradle for supporting the nozzle
therein lying parallel to the wall mount.

The clip device may comprise a pair of upright flanges spaced apart
20 from one another to define a spring clip for securing the body of the grease gun
therebetween in an upright orientation. The pair of flanges may include a concave
interior profile conforming to a shape of a body of the grease gun.

When the wall mount comprises a plate having mounting apertures
therein, the clip device is preferably supported at one end with the tray projecting
25 outwardly from the plate at an opposite end from the clip device.

BRIEF DESCRIPTION OF THE DRAWINGS

In the accompanying drawings, which illustrate an exemplary embodiment of the present invention:

Figure 1 is a side elevational view of the holder with a grease gun
5 supported thereon;

Figures 2 and 3 are front elevational and top plan views respectively of the holder with the grease gun shown mounted thereon;

Figure 4 is a side elevational view of the holder alone;

Figure 5 is a front elevational view of the holder; and

10 Figure 6 is a top plan view of the holder.

DETAILED DESCRIPTION

Referring to the accompanying drawings, there is illustrated a holder generally indicated by reference numeral 10. The holder is particularly suited for supporting a grease gun 12 on an upright supporting surface, for example a wall 14.

15 The gun 12 has a cylindrical body 16 for containing the grease therein. A plunger mechanism 17 actuated by a lever 18 forces the grease outwardly through a flexible dispensing tube 19 supporting a nozzle 20 at a free end thereof.

The holder includes a wall mount in the form of a mounting plate 22 which is rectangular and elongate in a vertical direction. Mounting apertures 24 are
20 provided adjacent each of the four corners of the mounting plate 22. The mounting apertures 24 are arranged to receive suitable fasteners therethrough for securement to the wall 14. Dimensions of the mounting plate 22 are arranged to be only slightly wider and slightly longer than a conventional grease gun.

The holder further includes a clip device 26 adjacent a top end 28 of
25 the mounting plate. The clip device comprises two vertical flanges 30 each comprising a flat band of material lying generally parallel to each other and to the

longitudinal direction of the mounting plate 22. Each of the flanges includes a curved portion 32 in which the inner surface has a concave profile conforming to the cylindrical shape of the tubular body of the grease gun. The flanges 30 are suitably spaced apart for receiving the tubular body therebetween in a mounted position.

- 5 The flanges are formed of a suitable spring steel or reinforced plastic to act as a conventional spring clip in which the flanges are flexed outwardly slightly when the grease gun is received therebetween so as to be biased inwardly for gripping the grease gun in the mounted position.

- 10 A nozzle holder 34 is supported on the mounting plate 22 below the clip device 26 but nearer to the top end 28 of the plate. The nozzle holder 34 comprises a vertical flange projecting outwardly perpendicular to the mounting plate 22. A U-shaped recess 36 is formed in the top edge of the flange for snugly receiving the nozzle 20 of the grease gun therein. The nozzle holder 34 thus acts as a cradle positioned directly adjacent the mounting plate 22 for supporting the nozzle
15 20 such that a longitudinal direction of the nozzle lies parallel to the mounting plate and the wall upon which it is supported.

- A tray 38 is mounted adjacent the bottom end 39 of the mounting plate to project perpendicularly outwardly therefrom. The tray extends generally horizontally outwardly from the mounting plate when supported on a wall 14. Sides
20 40 are provided which project upwardly from three sides of the rectangular base of the tray 38 with the mounting plate forming the fourth side so that the sides of the tray define a receptacle suitable for containing liquid therein. The dimensions of the tray are slightly larger than the cross section of the grease gun to catch any drips or leakage that may occur from the grease gun supported in the clip device 26
25 supported thereabove.

In use the mounting plate 22 forming the wall of the holder is secured

to a wall in a vertical orientation using appropriate fasteners. The tubular body of the grease gun is resiliently secured between the opposed flanges of the clip device in a vertical orientation. The nozzle 20 of the grease gun is received within the U-shaped recess 36 of the nozzle holder so that the nozzle lies parallel to the wall directly adjacent the mounting plate 22 so as to lie between the grease gun and the wall in the mounted position. Both the nozzle and the body of the grease gun are supported above the tray which is suitably large in dimensions to catch drips from both the nozzle and the gun which are in vertical alignment above the tray. The resilient nature of the flanges forming the clip device permits the grease gun to be readily released from the holder simply by pulling the tubular body free from the clips and the nozzle from the nozzle holder.

While one embodiment of the present invention has been described in the foregoing, it is to be understood that other embodiments are possible within the scope of the invention. The invention is to be considered limited solely by the scope of the appended claims.